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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
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*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITION FOR VACCINATION

(57) Abstract: The present invention provides novel compositions for transdermal delivery of at least one immunogen to an individ-
ual, which compositions comprise (a) said at least one immunogen (b) an occlusion vehicle and (c) an immunogen delivery system
in the form of a PosIntro or a cationic ISCOM or comprising at least one saponin and at as well as a process for preparation of the
compositions. The invention further provides constructs comprising these compositions. The compositions and constructs may be
used in methods for generating an immunological response, methods for treating or preventing a condition of illness and methods
for vaccination. The occlusion vehicle is e.g. a pressure sensitive adhesive, such as a hydrocolloid adhesive or a hydrogel adhesive,
which may be cross-linked, or the occlusion vehicle may be non-adherent.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A61K39/39 A61L15/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02 074325 A (ADAMS CHRISTOPHER L ;MIRANDA JESUS (US); GLENN GREGORY M (US); HAM) 26 September 2002 (2002-09-26)	1-39
X	the whole document	40
Y	WO 99 11247 A (FOLDVARI MARIANNA ;BACA ESTRADA MARIA (CA); PHARMADERM LAB LTD (CA) 11 March 1999 (1999-03-11)	1-39
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Y	WO 00 07621 A (SMITHKLINE BEECHAM BIOLOG ;FRIEDE MARTIN (BE); GARCON NATHALIE (BE) 17 February 2000 (2000-02-17)	1-39
Y	WO 92 21331 A (KABI PHARMACIA AB) 10 December 1992 (1992-12-10)	1-39
	the whole document	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- "&" document member of the same patent family

Date of the actual completion of the international search

10 February 2004

Date of mailing of the international search report

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VIVECA NORÉN /EÖ

INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 56420 A (CSL LTD ;COX JOHN COOPER (AU); RONNBERG BENGT JOHN LENNART (SE); S) 17 December 1998 (1998-12-17) the whole document ---	1-39
Y	WO 92 06710 A (NEDERLANDEN STAAT) 30 April 1992 (1992-04-30) the whole document ---	1-39
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P,Y	WO 02 080981 A (KIRKBY NIKOLAI SOEREN ;PHAROMED AS (DK); DALSGAARD KRISTIAN (DK)) 17 October 2002 (2002-10-17) the whole document -----	1-39

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK 03/00654

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 37-39
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 37-39

Claims 37-39 relate to methods of treatment of the human or animal body by surgery or by therapy or diagnostic methods practised on the human or animal body (PCT Rule 39.1(iv)). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds or compositions.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

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